

Appl. No. 09/703,809
Amdt dated: December 1, 2004
Reply to Final Office Action of October 1, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1-85. (Canceled).

86. (Currently amended) An isolated testis specific DNA binding protein having greater than 90% amino acid sequence identity to SEQ ID NO.: 2, ~~and~~ wherein said protein comprises a testis specific DNA binding transcription factor.

87. (Previously presented) The isolated protein of claim 86, wherein the protein has greater than 95% amino acid sequence identity to SEQ ID NO.: 2.

88. (Previously presented) The isolated protein of claim 86, wherein the protein has greater than 98% amino acid sequence identity to SEQ ID NO.: 2.

89. (Previously presented) The isolated protein of claim 86, wherein the protein comprises an amino acid sequence of SEQ ID NO.: 2.

90. (Previously presented) The isolated protein of claim 86, wherein the protein is tagged with a polyhistidine tag.

91. (Previously presented) The isolated protein of claim 86, wherein the protein is the product of in vitro translation.

92. (Previously presented) An isolated protein encoded by a polynucleotide comprising a nucleic acid sequence set forth in SEQ ID NO.: 1.

93. (Currently amended) A transcription factor comprising an isolated testis specific DNA binding protein having greater than 90% sequence identity with SEQ ID NO.: 2 and a fusion protein sequence.

94. (Previously presented) The fusion protein of claim 93, wherein said fusion protein sequence comprises an epitope tag.

95. (Previously presented) The fusion protein of claim 93, wherein said fusion protein sequence comprises a polyhistidine tag.

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96. (Canceled).

97. (Currently amended) An isolated testis specific DNA binding protein, wherein the protein comprises an amino acid sequence having greater than 90% amino acid sequence identity to SEQ ID NO.: 4, and wherein said protein comprises a testis specific DNA binding transcription factor.

98. (Previously presented) The isolated protein of claim 97, wherein the protein has greater than 95% amino acid sequence identity to SEQ ID NO.: 4.

99. (Previously presented) The isolated protein of claim 97, wherein the protein has greater than 98% amino acid sequence identity to SEQ ID NO.: 4.

100. (Previously presented) The isolated protein of claim 97, wherein the protein comprises an amino acid sequence of SEQ ID NO.: 4.

101. (Previously presented) The isolated protein of claim 97, wherein the protein is tagged with a polyhistidine tag.

102. (Previously presented) The isolated protein of claim 97, wherein the protein is the product of in vitro translation.

103. (Currently amended) An isolated testis specific DNA binding protein encoded by a polynucleotide comprising the nucleic acid sequence set forth in SEQ ID NO.: 3, and wherein said protein comprises a testis specific DNA binding transcription factor.

104. (Currently amended) A fusion protein comprising an isolated testis specific DNA binding protein having greater than 90% sequence identity with SEQ ID NO.: 4 and a fusion protein sequence, wherein said fusion protein comprises a testis specific DNA binding transcription factor.

105. (Previously presented) The fusion protein of claim 104, wherein said fusion protein sequence comprises an epitope tag.

106. (Previously presented) The fusion protein of claim 104, wherein said fusion protein sequence comprises a polyhistidine tag.

107. (Canceled).